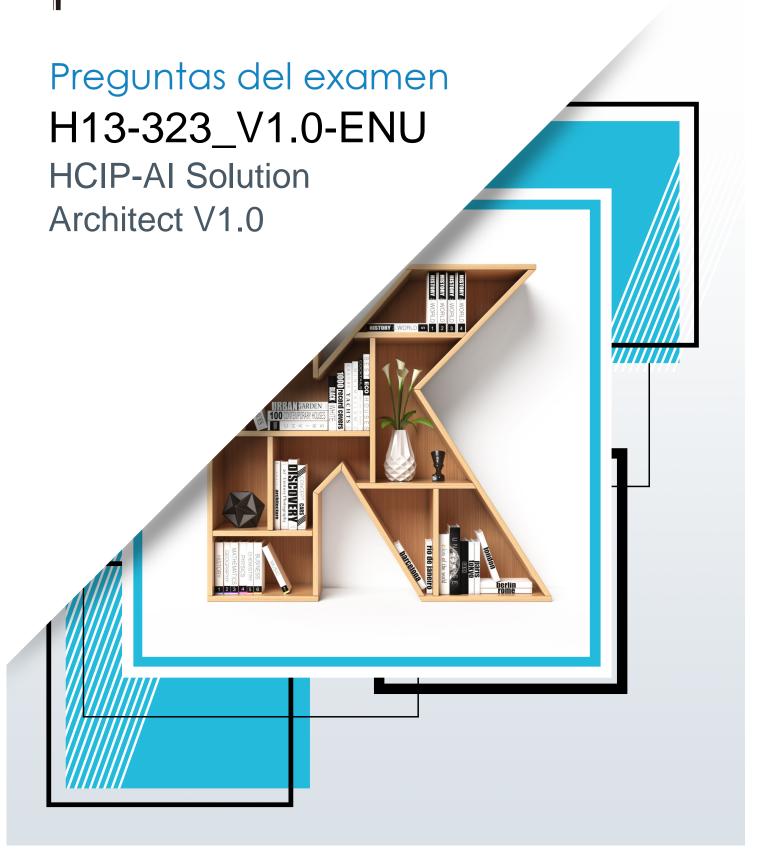
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- 1. Which of the following is correct?
- A. The two objects generated by shallow copy and deep copy use == to judge that the result is True
- B. The two deep-copied objects use is to check if the result is True
- C. The shallow copy of the two objects uses is to judge the result is True
- D. The result of using == to judge the two deep-copied objects is False Answer: A
- 2. What is the HiAI resource package that HiAI partially releases to third-party developers called?
- A. HIAIDDR
- B. HIAI DDK

B. HIAI DDK
C. HIAI SDK
D. HIAIJDK
Answer: C

3. Which of the following schools of thought does neural network research belong to?
A. Symbolism

A. Symbolism
B. Connectionism
C. Behaviorism
D. None of the above
Answer: B

4. Which of the following is not a feature of MindSpore's core architecture?

- A. Automatic Differentiation N
- C. Automatic encodings C. Automatic
- D. Automatic parallelization

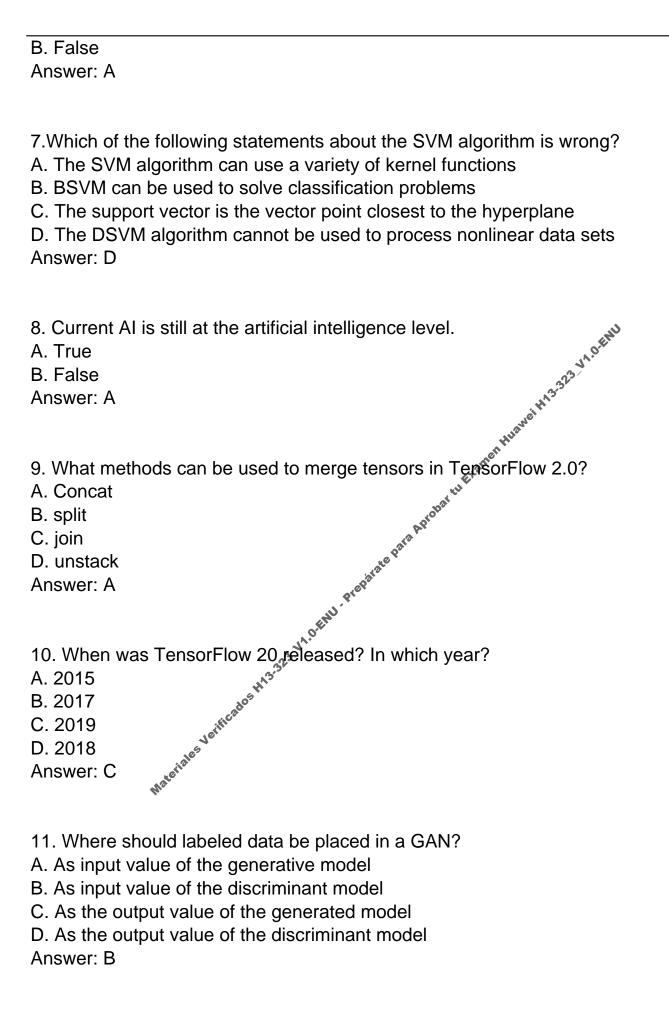
Answer: C

5. Singular value decomposition can be performed on non-square matrices.

- A. True
- B. False

Answer: A

- 6. ModelArts architecture includes AI data framework, algorithm development, training, and deployment.
- A. True



12. Which of the following statements about convolutional neural networks is wrong?

- A. Convolution kernels cannot be used to extract global features of images
- B. When processing an image, the image is convolved in a scanning window manner.
- C. Common pooling layers include maximum pooling and average pooling
- D. Convolutional neural networks can contain convolutional layers, pooling layers and fully connected layers

Answer: A

- 13. Which module of HUAWEI HiAI does Huawei chip support?
- A. HiAI Engine
- B. HiAI Foundation
- C. HiAI Framework
- D. HiAI Service

- 14. Which of the following is an advantage of one-hot word embedding?

 A. When the vocabulary is large, the word vector dimension will be to B. Simple and easy to understand

 C. The words are isolated A. When the vocabulary is large, the word vector dimension will be too large

D. Sparse expression of words

Answer: B

15. In a neural network based on connectionism, each fixed point can express a Jerificados H13:323 J1. O.E. specific meaning.

A. True

B. False

Answer: B

16. Tensor Flow is one of the most popular deep learning frameworks.

A. True

B. False

Answer: A

- 17. The fully connected layer is generally located in the middle of the network to reduce the number of parameters.
- A. True

B. False

Answer: B

18. Which of the following statements about neural networks is wrong?

A. As the number of hidden layers of the neural network increases, the classification ability of the model gradually weakens

- B. Feedforward neural networks can be represented by directed acyclic graphs
- C. The limitation of a single-layer perceptron is that it cannot solve or
- D. There is no connection between neurons in the same layer of the feedforward neural network

Answer: A

19. Federated learning uses different data sources to train models while ensuring data privacy and security, and further breaks through data bottlenecks.

A. True
B. False
Answer: A

20. All convolution kernels in the same convolution layer in a convolutional neural network share weights network share weights.

A. True

B. False

Answer: A

21. Which of the following activation functions can solve the gradient vanishing Materiales Verificados H13-323 V problem well?

A. Tanh

B. Sigmoid

C. Softsign

D. Relu

Answer: D

22. In which year was the term "artificial intelligence" first published?

A. 1956

B. 1950

C. 1959

D. 1946

Answer: A

23. For a matrix with singular values, the matrix must be a square matrix and the

singular values are arranged in descending order. A. True B. False Answer: B 24. While creating a network layer, what is the main purpose of adding a dropout layer? A. Extracting image features B. Acts as a classifier C. Increase nonlinearity D. Prevent overfitting 25. Training a large model is a systematic project, covering multiple aspects including Answer: D large model development, training, and fine-tuning. Improving the efficiency and scalability of large model distributed scale training is the main function of which of the Scalability of large model distributed scale training is the main function of which of the following large model development kits?

A. Huggingface PEFT

B. DeepSpeed

C. MindFormers

D. MindPet

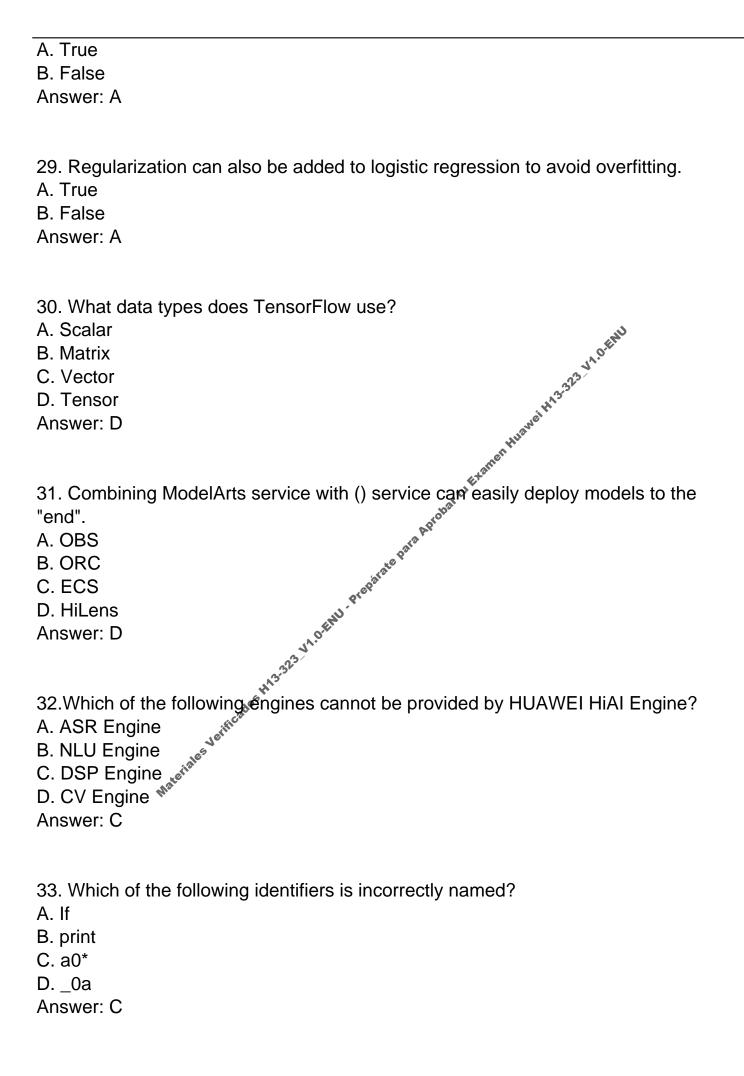
Answer: B

26. In machine learning, which of the following options is not part of the process from acquiring data to formally putting it into the model? acquiring data to formally putting it into the model? A. Data Standardization B. Data cleaning C. Data Dimensionality Reduction D. Data Visualization Answer: D 27. Concurrency refers to the execution of multiple tasks at the same time.

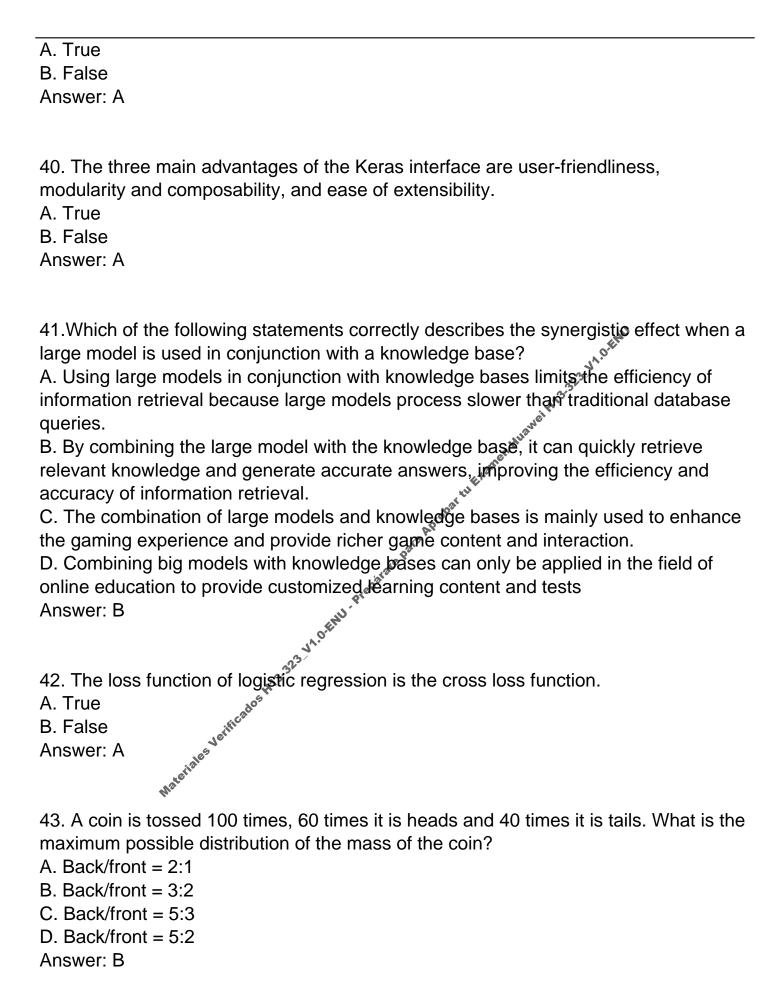
Concurrent operations can be completed using multiple processes in Python.

28. HUAWEI HiAI Engine can easily integrate various AI capabilities with apps.

A. True B. False Answer: A



34. Which tools can be integrated with the HUAWEI HiAI platform? A. Jupyter Notebook B. MyEclipse C. Android Studio D. Spider Answer: C
35. Jobs that are repetitive and require weak social skills are easily replaced by AI. A. True B. False
Answer: A
36. When using the keras interface of TensorFlow20 to build a neural network, it is necessary to compile the network. Which of the following methods should be selected? A. compile B. write C. join D. fit Answer: A
37. ModelSummary0 in Keras is used to print the network overview. A. True B. False Answer: A
38. Which of the following options is correct about the relationship between Poisson distribution and binomial distribution? A. The Poisson distribution has nothing to do with the binomial distribution. B. Poisson distribution can replace binomial distribution C. Poisson distribution is an approximation of binomial distribution when n is large and p is small D. The mathematical models of Poisson distribution and binomial distribution are both Lagrangian probability models Answer: C
39. Recurrent neural networks can capture dynamic information in serialized data.



44. What does the epochs parameter in the code

model.fit(mnist.train.inmage.mnist.train.labels.epochs=5) represent?

- A. The entire training set will be trained 5 times
- B. The entire test set will be tested 5 times.
- C. The entire training set will be divided into 6 parts
- D. The entire training set will be divided into 5 parts

Answer: A

- 45. The covariance matrix is a symmetric matrix, and the elements on the diagonal are the covariances of pairwise random variables.
- A. True
- B. False

Answer: A

46. Which of the following statements about the combination of LangChain and RAG is wrong?

A. Data loader is used to load data from a data source and convert it into a document object.

- B. The text segmenter divides the document object into smaller document objects to facilitate subsequent retrieval and generation.
- C. Text embedder is used to convert texts into embeddings to measure the similarity between texts.
- D. The memory does not require indexing technology and can directly store and query embeddings.
 Answer: D

 47. After the model is trained, it is generally necessary to compress and quantize the

- model before deploying it as a service and performing inference. Under the premise that the data meets the accuracy required by the model, the model's reference amount can be reduced. Which of the following tools is mainly used to compress large models and accelerate inference?
- A. Mindspore
- B. MindPet
- C. MindFormers
- D. ModelSlim

Answer: D

- 48. The Sys block is responsible for interacting with the operating system and provides an interface for accessing the underlying operating system.
- A. True

B. False Answer: B
49. Which of the following attributes does TensorFlow 2.0 not support in creating tensors? A. create B. f11 C. zeros D. constant Answer: A
50. Which of the following output results is wrong? A. print(*map(lambda x: x*x, [1, 2, 3])) output: 149 B. print(*zip([1, 2, 3], ["a""], ["A""B""C")) Output: (1, a'" C. (2, b', B(3, C D. print(*filter(lambda x:x%2==1),[1,2,3])) output result 131 E. sorted([("b', 2), ("a, 1), (c', 3), (d', 4)], key=lambda x(x)[1]) Output: [(a', 1), ("', 2), (c 3), (d', 4)] Answer: B
51. Which of the following is the value range of INT8? A. [-128, 128] B. [0, 255] C. [-127, 128 D. [-128, 127] Answer: D 52. A first -rank tensor is a scalar. A. True
52. A first -rank tensor is a scalar. A. True B. False Answer: B
53. PyTorch's current versions support Python2 and Python3. A. True B. False Answer: B

54. Which of the following statements about gradient descent is correct? A. Global gradient descent is faster than stochastic gradient descent B. When using gradient descent, the learning rate should be kept consistent C. Adam is not a gradient descent algorithm D. Stochastic gradient descent is sensitive to noise points Answer: D 55. Which company developed TensorFlow? A. Oracle B. Facebook C. Google Answer: C

56. Which of the following options does not belong to Huawei's full-stack solution?

A. Application Enablement D. NVIDIA A. Application Enablement
B. Edge computing
C. Open Source Framework
D. Chip Enable
Answer: B

57. In the application of large language models, which technology can enhance the model's reasoning ability by simulating the human problem-solving thinking process? A. Federated Learning B. Reinforcement Learning D. Transfer Learning Answer: C 58. The Naive Bayes algorithm does not require independent and identical distribution between sample features A. True B. False Answer: B 59. Which of the following statements about the standard RNN model is correct? A. Back propagation does not consider the time direction B. There is no one-to-one model structure

- C. There will be a problem of information decay during long-term transmission of memory
- D. There is no many-to-many model structure Answer: C
- 60. Which statement about matrix is correct?
- A. Non-square matrices also have inverse matrices
- B. The transpose of an orthogonal matrix A is equal to the inverse of A
- C. The transpose of a symmetric matrix A is A itself
- D. Any matrix multiplied by the identity matrix is equal to itself Answer: A

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